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AMENDMENTS TO THE ABSTRACT:

An LED bulb is provided, including a light bulb head, a case, an electronic control board, an LED unit and a light bulb cover. The light bulb head, the case and the bulb cover are engaged together to form an enclosing space to house the electronic control board and the LED unit. The parts are electrically connected by ~~conductive~~ a conductive wire. The electronic control board can convert an AC input into a DC current to supply power to the LED unit. The electronic control board also provides functions including illumination, timed illumination, luminance control and color changes. A power switch is used together with the electronic control board to control the power input and function setting and switching.